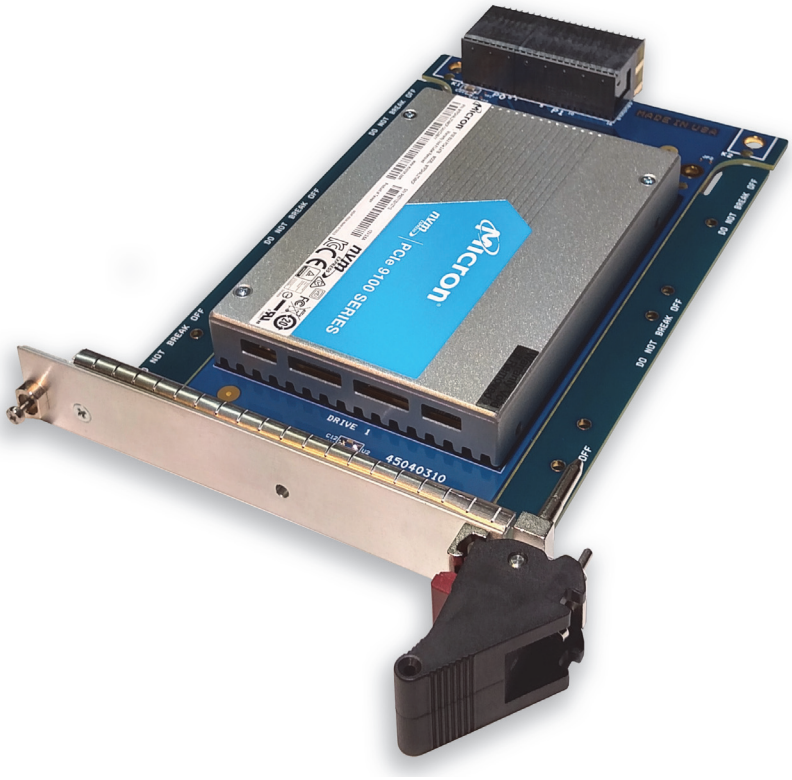
VP1-250-eSSD

Rugged Open VPX NVMe SSD Module



Features

Out-of-the-box software, drivers and manageability enable easy adoption and storage interoperability

Capacities from 800GB to 3.2TB

Optimized register interface and command set lowers latency

Performance:
Seq. 128KB read: 3.0 GB/s
Seq. 128KB write: 2.0 GB/s
Rnd 4KB read: 750,000 IOPS
Rnd 4KB write: 300,000 IOPS

Operating shock: 1000g@1ms

Operating vibration: 3.1g RMS 5–800Hz @ 30 min/axis

Advanced flash management for enhanced reliability and durability

Streamlined protocol with efficient queuing mechanism to scale for multi-core CPUs

2,000,000 hours MTBF

Made in USA

The VP1-250-eSSD is 3U VPX SSD storage module that delivers extremely high performance via a single Fat Pipe (PCIe 4x). Designed from the ground up to remove legacy layers of hard drive interfaces such as SATA and SAS, it takes full advantage of the speed and parallelism of solid state nonvolatile memory. Streamlined efficient queuing protocol combined with an optimized command set register interface enables low latency and high performance. Data is delivered fast and efficiently with minimal burden on the host CPU.

NVM Express (NVMe) is an industry-standard registered interface designed to accelerate the performance of nonvolatile PCI Express (PCIe) SSDs. The NVMe protocol was established in collaboration by server industry leaders to standardize a scalable PCIe interface, making it easier for designers to unlock the full potential of PCIe. NVMe provides opportunities for increased data throughput and reduced latency all while reducing the number of drives needed — both now and in the future. Adoption of this industry standard is driven by a strong consortium of storage technology providers and a robust ecosystem of drivers across multiple operating systems.

We Put the State of the Art to Work sm